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NOTICE OF ALLOWANCE AND FEE(S) DUE

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7590

04/06/2009

BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH, VA 22040-0747 EXAMINER

NGUYEN, JENNIFER T

ART UNIT PAPER NUMBER

2629 DATE MAILED: 04/06/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/878,401	06/12/2001	Jae Yong Park	2658-0268P	2192

TITLE OF INVENTION: ELECTRO-LUMINESCENCE DISPLAY

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	07/06/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

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BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH, VA 22040-0747				I h Sta ado trai	ereby certify that th tes Postal Service w lressed to the Mail	is Fee(ith sul Stop	(s) Transmittal is being efficient postage for firs ISSUE FEE address (1) 273-2885, on the date	deposited with the United t class mail in an envelope above, or being facsimile
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								(Signature)
								(Date)
APPLICATION NO.	FILING DATE		F	FIRST NAMED INVENTOR	₹	ATTC	RNEY DOCKET NO.	CONFIRMATION NO.
09/878,401	06/12/2001			Jae Yong Park			2658-0268P	2192
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nonprovisional	NO	\$1510		\$300	\$0		\$1810	07/06/2009
EXAM	INER	ART UNIT		CLASS-SUBCLASS				
NGUYEN, J	ENNIFER T	2629		345-076000				
 Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Custome Number is required. 			nce	(1) the names of up to or agents OR, alternat (2) the name of a sing registered attorney or	e of a single firm (having as a member a torney or agent) and the names of up to patent attorneys or agents. If no name is			
3. ASSIGNEE NAME A PLEASE NOTE: Unl recordation as set fort (A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comp	ified below, no assi	ignee d s NOT	lata will appear on the plat a substitute for filing and (B) RESIDENCE: (CIT)	patent. If an assign assignment. Y and STATE OR C	OUN	TRY)	ocument has been filed for
Please check the appropr	iate assignee category or	categories (will not	be pri	nted on the patent):	Individual 🖵 Co	rporat	ion or other private gro	up entity 🖵 Government
4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies				4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) ☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).				
**	s SMALL ENTITY statu	is. See 37 CFR 1.27		b. Applicant is no lo				
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if requeecords of the United Sta	uired) will not be ac tes Patent and Trade	cepted emark (from anyone other than Office.	the applicant; a regi	stered	attorney or agent; or th	e assignee or other party in
Authorized Signature				Date				
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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

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09/878,401	06/12/2001	Jae Yong Park	2658-0268P	2192	
2292 75	590 04/06/2009		EXAMINER		
BIRCH STEWA	RT KOLASCH & B	NGUYEN, J	ENNIFER T		
PO BOX 747		ART UNIT	PAPER NUMBER		
FALLS CHURCH	, VA 22040-0747		2629		
		DATE MAILED: 04/06/2009			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 802 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 802 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)			
	00/070 404	DARK IAE VONC			
Notice of Allowability	09/878,401 Examiner	PARK, JAE YONG Art Unit			
	JENNIEED T. NOUNEN	0000			
	JENNIFER T. NGUYEN	2629			
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in the or other appropriate communic IGHTS. This application is sub-	is application. If not included cation will be mailed in due course. THIS			
1. This communication is responsive to <u>01/12/09</u> .					
2. The allowed claim(s) is/are 1,2 and 7-10.					
 3. Acknowledgment is made of a claim for foreign priority unal All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 	e been received.				
3. ☐ Copies of the certified copies of the priority do	cuments have been received ir	this national stage application from the			
International Bureau (PCT Rule 17.2(a)).					
* Certified copies not received:					
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		reply complying with the requirements			
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give					
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.				
(a) I including changes required by the Notice of Draftspers	son's Patent Drawing Review (PTO-948) attached			
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date					
(b) ☐ including changes required by the attached Examiner'Paper No./Mail Date	s Amendment / Comment or in	the Office action of			
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t					
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT					
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. Notice of Infor	mal Patent Application			
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Sum				
3. ☐ Information Disclosure Statements (PTO/SB/08),		ail Date			
Paper No./Mail Date					
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 8. ☑ Examiner's Statement of Reasons for Allowance 9. ☐ Other					
/Regina Liang/	J. [] Oulei				
Primary Examiner, Art Unit 2629					

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. David Bilodeau on 03/23/09.

1. (Currently Amended) An electro luminescence display, comprising:

an electro-luminescence panel having a first face including a display area and an opposite face having a non-display area;

driving circuit boards for applying driving signals to a gate line and a data line coupled directly to the opposite face having the non-display area of the electro-luminescence panel;

<u>first</u> electrical pads located on an inside perimeter of the opposite face of the electroluminescence panel;

second electrical pads located on the driving circuit boards corresponding to and aligned with the <u>first</u> electrical pads located on the inside perimeter of the opposite face of the electroluminescence panel; and

tape carrier packages contacting the <u>first</u> electrical pads on the opposite face of the electroluminescence panel and the <u>driving circuit board second</u> electrical pads <u>located on the driving circuit boards</u>, and being coupled directly to substantially the entire length of the opposite side of the <u>electroluminescense</u> <u>electroluminescence</u> panel located between the <u>second</u>

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electrical pads located on the driving circuit boards and the <u>first</u> electrical pads located on the electroluminescence panel in a planar state.

Allowable Subject Matter

2. The following is an examiner's statement of reasons for allowance: Claims 1, 2, and 7-10 are allowable because the instant application is directed to a nonobvious improvement over the invention described in patent No.: US 6,275,220 (Nitta) and US 6,774,872 (Kawada et al.). The improvement comprise: first electrical pads located on an inside perimeter of the opposite face of the electroluminescence panel; second electrical pads located on the driving circuit boards corresponding to and aligned with the first electrical pads located on the inside perimeter of the opposite face of the electroluminescence panel; and tape carrier packages contacting the first electrical pads on the opposite face of the electroluminescence panel and the second electrical pads located on the driving circuit boards, and being coupled directly to substantially the entire length of the opposite side of the electroluminescence panel located between the second electrical pads located on the driving circuit boards and the first electrical pads located on the electro-luminescence panel in a planar state. This patentable distinction is included in independent claim 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jennifer T. Nguyen whose telephone number is 571-272-7696. The examiner can normally be reached on Mon-Fri: 9:00am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard A. Hjerpe can be reached on 571-272-7691. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/J. T. N./ Examiner, Art Unit 2629

/Regina Liang/

Primary Examiner, Art Unit 2629